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**From:** Ho, Yenhung [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0373CF6F13A849F1BB61BB1D1B64F981-YHO]  
**Sent:** 10/30/2020 7:21:06 PM  
**To:** Keith Adams [kadams@climeco.com]  
**CC:** Lockett,Jeffrey A. (CONTR) [LOCKETJA@airproducts.com]; Wayne Rowe [wayne.rowe@secure-carbon.com]; Albright, David [Albright.David@epa.gov]  
**Subject:** RE: Follow-up from Oct 2nd

Hi Keith,

Please see our responses to your questions (in orange below). Let us know if you have more questions.

Regards,  
Calvin

Calvin Ho  
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Water Division (WTR-4-2)  
U.S. EPA Region 9  
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**From:** Keith Adams <kadams@climeco.com>  
**Sent:** Wednesday, October 21, 2020 3:14 PM  
**To:** Albright, David <Albright.David@epa.gov>  
**Cc:** Lockett,Jeffrey A. (CONTR <LOCKETJA@airproducts.com>; Wayne Rowe <wayne.rowe@secure-carbon.com>  
**Subject:** Follow-up from Oct 2nd

David,

Thank you again for assembling the EPA team for the introduction to the Air Products Blue Hydrogen Project. We look forward to starting the permitting process with you. As a follow-up from our October 2<sup>nd</sup> call, I wanted to ask a few additional questions:

- **Permit Expiration** – When we spoke, we considered some of the pros and cons of submitting permit application for multiple wells, including wells which will not be needed to meet the initial injection requirements for a phased-in CO2 capture capacity demand. It was a good discussion that informs that decision, but there was one aspect we did not have a confirmed answer on – whether an issued permit has an expiration date if construction has not started by a specific deadline. An initial review of the regulations suggested this is not an aspect that is specified, but would appear to be left up to the discretion of the Director. Can you provide any clarification of that interpretation and what the criteria might be for preserving permits to enable phased-in construction?

All of the existing Class VI permits issued by EPA contained a provision that required the permittee to begin construction within one year. EPA Region 9 would likely include a similar provision in any Class VI permit we issue; any request from the permittee for an extension of the one year period would be considered on a case-by-case basis.

- **NEPA Implications** – During our call, you made a passing comment regarding potential consideration in the review process for Endangered Species Act (ESA) and National Historic Preservation Act (NHPA) reviews that might be required. Since the entire CCS project will be undergoing the CEQA process,

where these issues will be addressed through their equivalent state statutes, are federal ESA and NHPA reviews still likely to be a requirement under the EPA permit issuance process? Is your expectation the well permit would trigger the NEPA process or would a Categorical Exemption be appropriate given the nature of the limited surface impacts of well construction and the parallel state reviews? Are there any other functional departments within EPA we should speak to about this potential process activity?

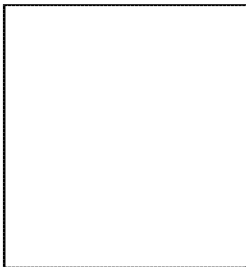
Federal ESA and NHPA reviews are independent of the CEQA. 40 CFR 144.4 requires that EPA consider the potential applicability of several federal laws, including ESA and NHPA under the UIC permit issuance process. However, to the extent we are able to rely upon ESA and NHPA related analyses done to comply with CEQA, we will consider that in our evaluation of compliance with these federal statutes. UIC permit applicants are not subject to the NEPA because EPA believes that the technical analysis to protect underground sources of drinking water, and the public comment and hearing process required in the UIC permit issuance process under the EPA's UIC regulations, and the enabling legislation in the SDWA provide a functionally equivalent environmental review.

- Share "Phase 1" Geological Study Results – We know many members of the EPA team on the call have a critical role in reviewing the geologic aspects of the injection process and our project introduction meeting did not discuss very much of that aspect of the project. In fact, we have done a significant amount of work that considered several areas of the Sacramento delta region and has allowed us to focus injection modeling on just a couple of candidate areas. While there is still ongoing modeling work underway to refine the basis for the application(s) we bring forward, your team may be interested in seeing the preliminary work done that has led us to the options under consideration. If you feel there is interest/value in having a follow-up with this purpose, let us know and we can set something up in the coming weeks.

Thank you for the offer. We prefer to wait for an application, or at a minimum, a time when the project applicant has determined with more specificity the details of what they will be submitting in their application.

Thanks again for your time and we look forward to continuing a productive engagement on this project.

Keith Adams, P.E

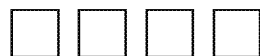


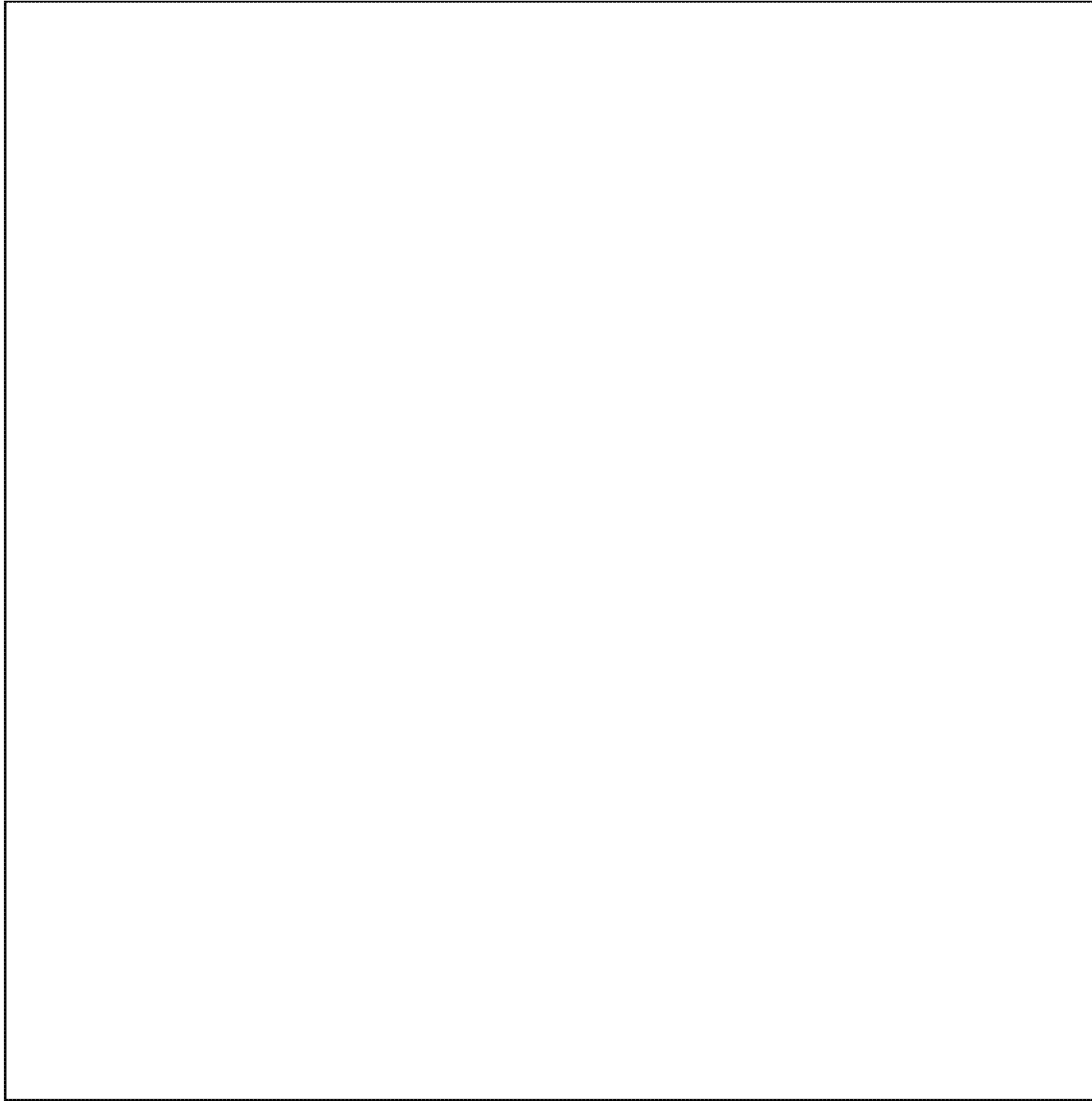
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